(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 27 February 2003 (27.02.2003)

PCT

(10) International Publication Number WO 2003/016669 A3

(51) International Patent Classification⁷: 43/00

E21B 19/16,

(21) International Application Number:

PCT/US2002/024399

(22) International Filing Date: 1 August 2002 (01.08.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/313,453

20 August 2001 (20.08.2001) U

(71) Applicant (for all designated States except US): EVEN-TURE GLOBAL TECHNOLOGY [US/US]; 16200 A Park Row, Houston, TX 77084 (US).

(72) Inventors; and

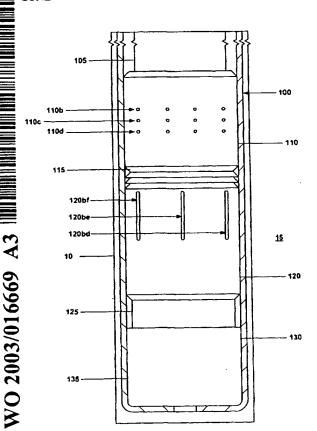
(75) Inventors/Applicants (for US only): WATSON, Brock,

Wayne [US/US]; 2535 Marsh Lane #1004, Carrollton, TX 75006 (US). RING, Lev [RU/US]; 14126 Heatherhill Place, Houston, TX 77077 (US). BRISCO, David, Paul [US/US]; 405 Westridge Drive, Duncan, OK 73533 (US).

- (74) Agents: MATTINGLY, Todd et al.; Haynes and Boone, LLP, Suite 4300, 1000 Louisiana Street, Houston, TX 77002-5012 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: APPARATUS FOR RADIALLY EXPANDING TUBULAR MEMBERS INCLUDING A SEGMENTED EXPANSION



(57) Abstract: An apparatus for radially expanding tubular members including a segmented expansion cone.

European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

(88) Date of publication of the international search report:
10 June 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/24399

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : E21B 19/16; 43/00 US CL : 166/380, 207 According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/380, 207, 209, 212, 216, 217			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap		Relevant to claim No.
Х	US 4,420,866 A (MUELLER) 20 December 1983 (20.12.83), figure 1.		1, 6, 8, 11, 13
Ÿ			4
` X	US 6,085,838 A (VERCAEMER et al.) 11 July 2000 (11.07.00), figures 5-7.		8
Y			4
	•		
Further	documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:		"T" later document published after the inte	
"A" document defining the general trate of the art which is not considered to be of particular relevance		date and not in conflict with the applic principle or theory underlying the inve	ention
i	oplication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
		being obvious to a person skilled in th	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent	family
Date of the actual completion of the international search		Date of mailing of the international search report	
Name and	er 2002 (24.09.2002)	Authorized Officer // ///	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT		David Bagnett Vifer Hor	
Washington, D.C. 20231 Facsimile No. (703)305-3230		Telephone No. (703) 308-1113	

Form PCT/ISA/210 (second sheet) (July 1998)